

## AMENDMENTS TO THE CLAIMS

Claims 1-21 (canceled).

Claim 22 (currently amended): An anti-idiotypic antibody to an **idiotype of a second** antibody **which, wherein said idiotypic of said second antibody** specifically binds to **an epitope of** an MN protein, wherein said MN protein is encoded by a nucleic acid selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) polynucleotides that hybridize under stringent conditions **of 50% formamide at 42 degrees C** to SEQ ID NO: 1's complement; and

(c) polynucleotides that differ from SEQ ID NO: 1 or from the polynucleotide sequences of (b) due to the degeneracy of the genetic code.

Claim 23 (currently amended): An anti-idiotypic antibody according to Claim 22, wherein said **second** antibody that is specific for said MN protein **epitope**, is either the M75 monoclonal antibody secreted from the hybridoma VU-M75, which was deposited at the American Type Culture Collection under ATCC No. HB 11128, or the MN12 monoclonal antibody that is secreted from the hybridoma MN 12.2.2, which was deposited at the American Type Culture Collection under ATCC No. HB 11647.

Claims 24-27 (withdrawn).

Claims 28-29 (canceled).

Claim 30 (currently amended): An anti-idiotypic antibody to an **idiotype of a second** antibody **which, wherein said idiotypic of said second antibody** specifically binds to an **epitope of an** MN polypeptide wherein said MN polypeptide is encoded by a nucleic acid that comprises a polynucleotide containing at least 29 nucleotides, said nucleic acid being selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) polynucleotides that hybridize under stringent conditions **of 50% formamide at 42 degrees C** to SEQ ID NO: 1's complement; and

(c) polynucleotides that differ from SEQ ID NO: 1 or from the polynucleotide sequences of (b) due to the degeneracy of the genetic code.

Claim 31 (currently amended): The anti-idiotypic antibody according to Claim 30, wherein said **second** antibody that is specific to said MN polypeptide **epitope** is either the M75 monoclonal antibody secreted from the hybridoma VU-M75, which was deposited at the American Type Culture Collection under ATCC No. HB 11128, or the MN12 monoclonal antibody that is secreted from the hybridoma MN 12.2.2, which was deposited at the American Type Culture Collection under ATCC No. HB 11647.

Claims 32-35 (withdrawn).

Claim 36 (previously presented): The anti-idiotypic antibody according to Claim 30 wherein said nucleic acid comprises a polynucleotide containing at least 50 nucleotides.

Claim 37 (currently amended): The anti-idiotypic antibody according to Claim 30 wherein said **nucleic acid comprises a** polynucleotide **comprises containing** at least 100 nucleotides.

Claim 38 (previously presented): The anti-idiotypic antibody according to Claim 30 wherein said nucleic acid comprises a polynucleotide containing at least 150 nucleotides.

Claims 39-41 (withdrawn).

Claim 42 (currently amended): An anti-idiotypic antibody to an **idiotype of a second** antibody **which, wherein said idiotype of said second antibody** specifically binds to an **epitope of an** MN polypeptide, wherein said MN polypeptide is

encoded by a nucleic acid that comprises a polynucleotide containing at least 25 nucleotides, said nucleic acid being selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) polynucleotides that hybridize under stringent conditions **of 50% formamide at 42 degrees C** to SEQ ID NO: 1's complement; and

(c) polynucleotides that differ from SEQ ID NO: 1 or from the polynucleotide sequences of (b) due to the degeneracy of the genetic code.

Claim 43 (previously presented): The anti-idiotypic antibody according to Claim 42 wherein said nucleic acid comprises a polynucleotide containing at least 27 nucleotides.

Claims 44 and 45 (withdrawn).

Claim 46 (previously presented): The anti-idiotypic antibody according to Claim 22 wherein said MN protein is encoded by SEQ ID NO: 1 or by a fragment of SEQ ID NO: 1.

Claim 47 (currently amended): The anti-idiotypic antibody according to Claim 30 wherein said ~~MN polypeptide is encoded by a fragment of~~ **nucleic acid has a nucleotide sequence from** SEQ ID NO: 1.

Claim 48 (currently amended): The anti-idiotypic antibody according to Claim 42 wherein said ~~MN polypeptide is encoded by a fragment of~~ **nucleic acid has a nucleotide sequence from** SEQ ID NO: 1.

Claims 49-51 (withdrawn).

Claim 52 (canceled).

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE

Please replace the title of the invention on page 122, line 1 with the following title:

ANTI-IDIOTYPE ANTIBODIES TO MN PROTEINS AND MN POLYPEPTIDES